

Contents

Marine Geology Volume 82, 1988

Special Issue. The Hydrodynamics and Sedimentology of a Back-Barrier Lagoon-Salt Marsh System, Great Sound, New Jersey.

(Edited by G.M. Ashley)

Preface: Background to the Great Sound Project G.M. Ashley (New Brunswick, N.J., U.S.A.)	VII
Hydrodynamic model of Great Sound, New Jersey F.E. Schuepfer (Pearl River, N.Y., U.S.A.), G.P. Lennon and R.N. Weisman (Bethlehem, Pa., U.S.A.) and R. Gabriel (Cambridge, Mass., U.S.A.)	1
Tidal channel classification for a low-mesotidal salt marsh G.M. Ashley and M.L. Zeff (New Brunswick, N.J., U.S.A.)	17
Sedimentation in a salt marsh-tidal channel system, southern New Jersey M.L. Zeff (New Brunswick, N.J., U.S.A.)	33
Modeling deposition of suspensate in Great Sound, New Jersey C.L. Young, R.N. Weisman and G.P. Lennon (Bethlehem, Pa., U.S.A.)	49
Interactions between hydrodynamics, benthos and sedimentation in a tide-dominated coastal lagoon G.M. Ashley and R.E. Grizzle (New Brunswick, N.J., U.S.A.)	61
Sediment aggregation in a salt-marsh complex, Great Sound, New Jersey B. Carson, K.F. Carney and A.J. Meglis (Bethlehem, Pa., U.S.A.)	83
Short-term deposition and long-term accumulation of lagoonal sediment, Great Sound, New Jersey R.W. Faas (Easton, Pa., U.S.A.) and B. Carson (Bethlehem, Pa., U.S.A.)	97
Distribution patterns of metals in sediments of the Great Sound complex, New Jersey J.E. Nadeau and M.J. Hall (Lawrenceville, N.J., U.S.A.)	113
Hydrodynamics and sedimentation in a back-barrier lagoon-salt marsh system, Great Sound, New Jersey — a summary B. Carson (Bethlehem, Pa., U.S.A.), G.M. Ashley (New Brunswick, N.J., U.S.A.), G.P. Lennon and R.N. Weisman (Bethlehem, Pa., U.S.A.), J.E. Nadeau and M.J. Hall (Lawrenceville, N.J., U.S.A.), R.W. Faas (Easton, Pa., U.S.A.), M.L. Zeff and R.E. Grizzle (New Brunswick, N.J., U.S.A.), F.E. Schuepfer, C.L. Young, A.J. Meglis and K.F. Carney (Bethlehem, Pa., U.S.A.) and R. Gabriel (Cambridge, Mass., U.S.A.)	123
 <i>Research Papers</i>	
Tidal distortions and flood dominance at five small tidal inlets in southern Maine J.M. Lincoln and D.M. FitzGerald (Boston, Mass., U.S.A.)	133
Flow characteristics along the rip current system under low-energy conditions D. Bowman and A. Arad (Beer-Sheva, Israel), D.S. Rosen and E. Kit (Haifa, Israel), R. Goldbery (Beer-Sheva, Israel) and A. Slavic (Haifa, Israel)	149
Resolving bathymetric components of the upper shoreface on a wave-dominated coast G.A. Zarillo and J.T. Liu (Long Island, N.Y., U.S.A.)	169
Suspended sediment transport across a tidal flat M. Pejrup (Copenhagen, Denmark)	187
Particle size and shape in pebble-beach sedimentation A.T. Williams and N.E. Caldwell (Pontypridd, Wales, U.K.)	199
Carbonate turbidites deposited on the floor of the Palau Trench S. Yamamoto (Okinawa, Japan), H. Tokuyama and K. Fujioka (Tokyo, Japan), A. Takeuchi (Toyama, Japan) and H. Ujiié (Okinawa, Japan)	217
A trench fan in the Izu-Ogasawara Trench on the Boso Trench triple junction W. Soh, A. Taira and H. Tokuyama (Tokyo, Japan)	235
Suspended manganese-rich particles in Kau Bay, Halmahera (eastern Indonesia) H.A. van der Sloot, D. Hoede and G. Hamburg (Petten, The Netherlands), G.J. de Lange and J.J. Middelburg (Utrecht, The Netherlands) and S. Sophiah (Bandung, Indonesia)	251
Anaa (Tuamotu Islands, Central Pacific): An incipient rising atoll? P.A. Pirazzoli (Paris, France and Moorea, French Polynesia), M. Koba (Osaka, Japan), L.F. Montaggioni (Moorea, French Polynesia and Île de la Réunion, France, Département Outre Mer) and A. Person (Paris, France)	261

Letter Section

The Storegga Slides: Evidence from eastern Scotland for a possible tsunami A.G. Dawson (Coventry, England, U.K.), D. Long (Edinburgh, Scotland, U.K.) and D.E. Smith (Coventry, England, U.K.)	271
A shallow seismic reflection study of the Gulf of Kutch, northwest India — observations on its structural evolution D. Gopala Rao (Goa, India)	277
Clay sediment accumulation rates on the monsoon-dominated western continental shelf and slope region of India D.V. Borole (Goa, India)	285
<i>Current Titles in Marine Geology, Part I</i>	293
<i>Current Titles in Marine Geology, Part II</i>	311
<i>Contents Volume 82</i>	327